

College of Public Health News

June 17, 2016

Georgia Southern University

Follow this and additional works at: <https://digitalcommons.georgiasouthern.edu/coph-news-online>



Part of the [Public Health Commons](#)

Recommended Citation

Georgia Southern University, "College of Public Health News" (2016). *Public Health, Jiann-Ping Hsu College of - News*. 152.
<https://digitalcommons.georgiasouthern.edu/coph-news-online/152>

This article is brought to you for free and open access by the Public Health, Jiann-Ping Hsu College of - Publications at Digital Commons@Georgia Southern. It has been accepted for inclusion in Public Health, Jiann-Ping Hsu College of - News by an authorized administrator of Digital Commons@Georgia Southern. For more information, please contact digitalcommons@georgiasouthern.edu.

Georgia Southern Examines a More Efficient Logistic Analysis

June 17, 2016



Logistic regression is the most popular technique available for modeling dichotomous-dependent variables. It has intensive application in the field of social, medical, behavioral and public health sciences.

In this paper Georgia Southern University Faculty propose a more efficient logistic regression analysis based on moving extreme ranked set sampling (MERSSmin) scheme with ranking based on an easy-to-available auxiliary variable known to be associated with the variable of interest (response variable). The paper demonstrates that this approach will provide more powerful testing procedure as well as more efficient odds ratio and parameter estimation than using simple random sample (SRS).

Theoretical derivation and simulation studies will be provided. Real data from 2011 Youth Risk Behavior Surveillance System (YRBSS) data are used to illustrate the procedures developed in this paper.

[“More efficient logistic analysis using moving extreme ranked set sampling,”](#) was published in the Journal of Applied Statistics on May 8, 2016.

Dr. Hani Samawi, professor of biostatistics at the Jiann-Ping Hsu College of Public Health Georgia Southern University (JPHCOPH) was the lead author. Dr. Haresh Rochani and Dr. Daniel Linder, assistant professors at JPHCOPH were co-authors.

Georgia Southern Alum Selected as Commencement Speaker

June 17, 2016



Dr. Ahmed Kabore, recent alumni of the DrPH in community health behavior and education at the Jiann-Ping Hsu College of Public Health Georgia Southern University (JPHCOPH) was recently chosen to be the [commencement speaker for Savannah Technical College's 2016 graduation](#) at 6 p.m. on Thursday, June 16, in the Johnny Mercer Theatre at the Savannah Civic Center.

Kabore lost his mother to malaria in 2001. That tragic experience motivated him to make a positive difference in the lives of others. A native of Burkina Faso, West Africa, Kabore moved to the United States in 2005 and enrolled in

Savannah Technical College's ESL program.

Dr. Kabore completed both his master's degree in public health and doctorate of public health with a concentration in community health behavior and education at JPHCOPH.

The dream continues for Kabore, who recently accepted a position with the new government in Burkina Faso to build a public health system for the country.